

Methods of determining Trudy VNIIStekla no.	ng and calculating vitrification	n temperatures.	
	(Glass research)	(MIRA 11:1)	
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TEGOROV, B.D., kand. tekhn. nauk; KOLBABBIKOVA, A.I., kand. tekhn. nauk. Methods of determining the coefficient of linear expansion in glass. Trudy VMIIStekla no.37:67-70 '57. (MIRA 11:1) (GlassTesting)		t tebensamikhili di	n commende	REVERSE	STANDAR AND	a versionis	Transmit.	25 6 1 MARCO	MATERIAL PROPERTY.		77 P.Z. 10 AZ 113	
Methods of determining the coefficient of linear expansion in glass. Trudy VMIIStekla no.37:67-70 157. (MIRA 11:1)	YEGORO	1, B.D.,	BAS kand.	N'INO tekhn.	VA;	KOLBABI	FIKOVA,	A.I.,	kand.	tekhn, n	suk,	
		Method	s of de	stermini	ne th	-70 157	lcient	of line		ansion i	a glass.	

BARTENEY, G.M.; KOLBASNIKOVA, A.I.

Effect of various factors on glass tempering. Insh.-fis.shur. no.5;
99-103 My '58.

(MIRA 12:1)

1. Nauchno-issledovatel'skiy institut stekla, g. Moskva.

(Glass)

AUTHORS:

Demishev, G. K., Kolbasnikova, A. I.

72-58-3-7/15

TITLE:

Supersonic Glass Grinding (Shlifovka stekla s pomoshch'yu

ul'trazvuka)

PERIODICAL:

Steklo i Keramika, 1958, Vol. 15, Nr 3, pp. 25-29 (USSR)

ABSTRACT:

Works on the application of supersonic oscillations for boring, drilling, and cutting of glass, ceramics, germanium and other hard materials are available by N. Klark, D. P. Aloizio, L.B. Pirozhnikov, I.S. Vaynshtok, I.V. Metelkin (reference 1). Following a suggestion by N. P. Krasnikov and V.S. Pod"yel'skiy (reference 2) M. A. Bezborodov, A. A. Gezburg and N. P. Krasnikov (reference 1) utilized this manufacturing method for the grinding of plane glass sur faces. Investigations on this method of grinding where also carried out by G. M. Bartenev, A. I. Kolbasnikova, I. S. Vaynshtok and G. K. Demishev in the Institute for Glass. The plant, in the acquisition and mounting of which participated I.S. Vaynahtok and V. M. Antonov (reference 3),

Card 1/3

comprises the generator ZG-2A , the amplifier TU-600, the

Supersonic Class Crinding

72-58-3-7/15

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frequency-meter ICh -6, the rectifier VG-2, the autotransformer LATR -1 and others. The design of vibrator corresponds to that described by Klark in his work. The total view of the grinding wheel is given in figure 1. The grindingtool represented in figure 2, proved to be the most suitable one. Moreover, the grinding operation is described. The quality of the surface was exammend by means of a double microscope of the type MIS-11. As may be seen from table 1, the ground quality of the surface does not depend on the period of grinding, whereby grinding with the narrow face of the grinding tool- under equal conditions - results always in a coarser surface than grinding with the wide lateral face. The mechanism of the grinding operation was described in the monograph by N. N. Kachalov (reference 1). The grinding results with various specific pressures of grinding are given in tabel 2. As may be seen from this, it has no effect on the quality or the surface, just like the grinding with various amplitudes of vibration (figure 3). Approximately the same quality of surface is achieved with supersonic grinding as with the ordinary grinding-method.

Card 2/3

Supersonic Glass Grinding

72-58-3-7/15

There are 2 figures, 3 tables, and 7 references, 6 of

ASSOCIATION: Institut stekla (Institute for Glass)

1. Glass—Machining: 2. Ultrasenic radiation—Applications

Card 3/3

CIA-RDP86-00513R000723720011-8 "APPROVED FOR RELEASE: 06/19/2000

AUTHORS:

Bartenev, G. M., Kolbasnikova, A. I. 57-28-6-11/34

TITLE:

On the Comparison of the Theory of class Hardening With Experimentation (K sravneniyu teorii

zakalki stekla s eksperimentom)

PERIODICAL:

Zhurnal Tekhnicheskoy Fiziki, 1958, Vol. 28, Nr 6,

ABSTRACT:

Glass hardening is at present being used in an ever--increasing degree as an effective method of increasing the strength and the thermal durability of glass products, especially for the production of new solid technical glass. The method of hardening has already types of extremely been described previously (references 1 and 2). The elasticity theory (reference 1) leads to the following formula for internal tensions in hardened flat glass: $\frac{E}{1-\mu}(\varepsilon-\overline{\varepsilon})$. (1). Finding the mathematical

form of the function F(x, d) is the basic problem of the theory of glass hardening. The tensions of the elongation

Card 1/4

On the Comparison of the Theory of Glass Hardening 57-28-6-11/34

 $G = G_y = G_z$ in the central plane of the hardened plate are $G = \frac{BE}{1 - \mu} T_{g} \varphi(G) = K \varphi(G) \qquad (2)$

Renewed investigation of the influence exercised by physical properties upon the amount of hardening-tensions experimental data with the formula (2). The authors experimental data with the formula (2). The authors were selected in such a manner that there was considerable worked-out results (figure 2) of experimental data were given in dimensionless parameters (0) and ha which make it possible Herefrom it may be seen that not one of the theoretical caused by the fact that the formulae are based upon experimental data (figure 2) the dependence of the

Card 2/4

On the Comparison of the Theory of Class Hardening With Experimentation 57-28-6-11/34 hardening function on the criterion of Bio (upper curve) was obtained. This can be utilized in calculating the degree of hardness according to formula (2). The analytical form of this dependence at ha >0,5, which practically comprises all cases occurring in the technology of hardening, can be expressed in the approximation by the formula At present degrees of hardness were attained which correspond to $\varphi(\delta) = 0.31$. It follows herefrom (reference 2) that where the limiting value theoretically expected at ha $\rightarrow \infty$ is $\varphi(d) = 0.36$, the possibilities of increasing the degree of hardness are exhausted. Experimental data (figure 2) and the amount of the maximum degree of hardness $\varphi(\delta) = 0,69$, which were calculated ln cos ydy lead to the conclusion that the possibilities of Card 3/4 (3)

On the Comparison of the Theory of Glass Hardening With Experimentation

57-28-6-11/34

increasing the strength of glass by hardening are not exhausted. There are 3 figures, 1 table, and 11 references, 11 of which are Soviet.

ASSOCIATION:

Vsesoyusnyy nauchno-issledovatel'skiy institut stekla, Moskva (Moscow, All-Union Scientific Research Institute

SUBMITTED:

October 20, 1956

1. Glass-Hardening 2. Glass-Fechanical properties
3. Hardenability-Theory

Card 4/4

84313

*2*1 09 15.2120

8/170/60/003/009/006/020 B019/B060

AUTHORS:

Kolbasnikova, A. I.

TITLE:

The Effect of Prolonged High-temperature Heating on the

Strength of Class v

PERIODICAL:

Inzhenerno-fisicheskiy zhurnal, 1960, Vol. 3, No. 9,

PP- 44-47

TEXT: The authors made bending tests to study the influence of duration and temperature of heating on the strength of glass. Fig. 1 shows the bending strength of glass as a function of heating temperature in the range from 500 to 710°C. Previous tests had shown that there were no residual atresses left after a heating time of two hours and a subsequent cooling rate of 1 C/minute. As may be seen from Fig. 1, the strength of glass is dependent not only on the temperature of the thermal treatment, but also on the mechanical history of the samples. When heating over two hours the bending strength of samples polished at the edges is almost doubled. Fig. 2 shows that a heating time of 5 - 6 hours yields the best strength factors, regardless of the mechanical treatment. The Card 1/2

The Effect of Prolonged High-temperature Heating on the Strength of Glass

84313 5/170/60/003/009/006/020 B019/B060

character of the mechanical pre-treatment influences the degree of strength increase. The main factors accounting for the strength increase, which attained a maximum of 13.8 in 2-mm glass and a maximum of 10.2 kg/mm2 in 6-mm glass, proved to be temperature and duration of heating. The cooling rate had a lesser effect. Also the effect of the thermal treatment on the strength of the glass surface was checked on the same types of glass. Hightemperature thermal treatment was found to cause no strength increase on the glass surface beyond 10.5 kg/mm² (6-mm glass). For 2-mm glass the

respective value is again 15.7 kg/mm². A. I. Ivanova (Ref. 4), I. I. Kitaygorodskiy, and A. I. Berezhnoy (Ref. 5), and G. Markus (Ref. 8) are mentioned. There are 2 figures and 9 references; 7 Soviet and 2 US.

ASSOCIATION:

Gosudarstvennyy nauchno-issledovatel'skiy institut stekla,

(State Scientific Research Institute of Glass, Moscow)

SUBMITTED:

June 13, 1959

Card 2/2

S/081/62/000/023/065/120 B180/B144

AUTHORS:

Demishev, G. K., Butovich, L. N., Kolbasnikova, A. I., Galdina, N. K.

TITLE:

Co 60 gamma ray detection of internal defects in certain electrically fused refractories during manufacture

PERIODICAL:

Referativnyy zhurnal. Khimiya, no. 23, 1962, 489, abstract 23K375 (Steklo. Byul. Gos. n.-i. in-ta stekla, no. 4 (113),

TEXT: The article describes a method for the systematic quality control of electrically produced refractories. Flaws and other cavities are detected by means of hard gamma-radiation from the isotope Co⁶⁰, using a wide beam and X-ray photography. Experimental work indicates the possibility of using this "gamma-ray" flaw detection on refractories of the "bakor-33" type. [Abstracter's note: Complete translation.]

Card 1/1

DEMISHEV, G.K.; BUTOVICH, L.N.; KOLBASNIKOVA, A.T.; GALDINA, N.M.

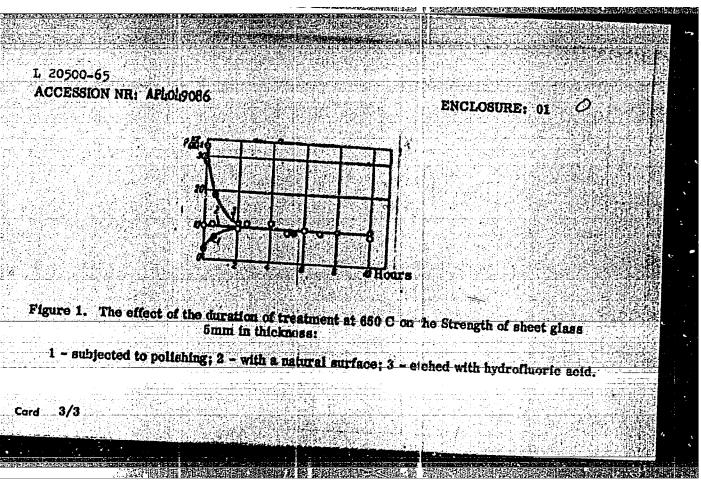
Gaumagraphic control of internal defects in fused refractories.
Ogneupory 27 no.61288-292 162. (MIRA 15:5)

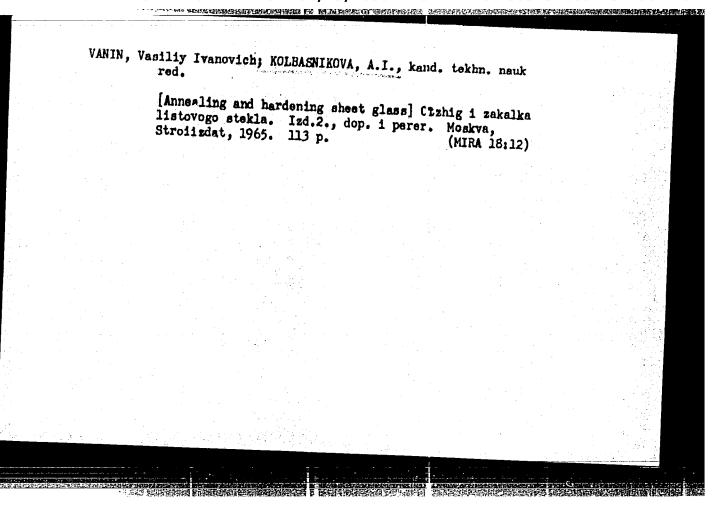
1. Gosudarstvennyy nauchno-isslodovatel'skiy institut stokla.
(Gamma rays—Industrial applications)
(Refractory materials—Defects)

L 20500-65 EWT(m)/EWP(b)/EWP(e) ACCESSION NR: AP4049086 8/0072/64/000/011/0010/0012 AUTHOR: Barteney, G.M. (Doctor of chemical sciences); Folbasnikova, A. T. (Candidate of technical sciences) TITLE: The effect of high temperature treatment on glass surface strength SOURCE: Steklo i keramika, no. 11, 1964, 10-12 TOPIC TAGS: glass surface strength, high temperature treatment, annealed glass, glass ABSTRACT: Earlier findings by the same and other authors on the effect of various heat treatments on glass surface strength are discussed, after which the effect of prolonged processing at high temperature on sheet glass (5-6 mm or 2 mm thick), as well as on the same glass subjected to polishing and etching before heat treatment, is reported. Optimal strength was found for glass maintained at 650 C for 2 hours, while no change was observed upon treatment at other temperatures. After heating, the glass specimens were cooled at gegree min left at room temperature for 24 hours, then subjected to symmetrical bending stress. Under such treatment, the surface strength was found to assume values maracleristic for the natural surface of sheet glass formed during drawing from the Card 1/3

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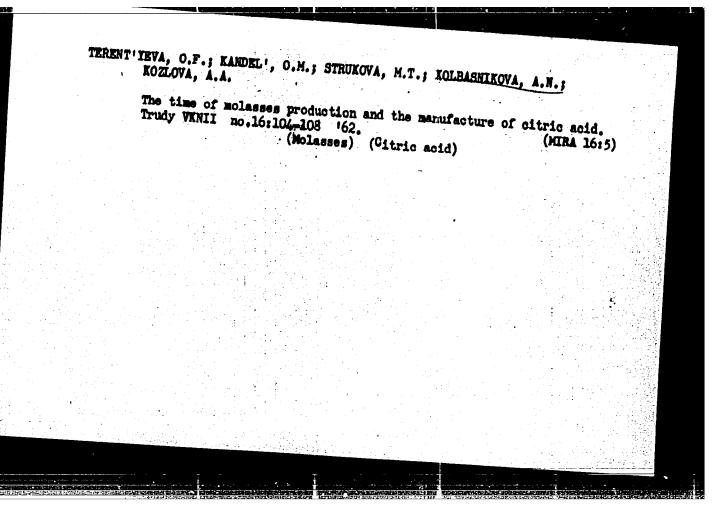




BIL'TYUKOVA, E.P., insh.; KOLBASNIKOVA, A.I., kand. tekhn.nauk; SAVITSKIY, M.R., kand. tekhn.nauk

Conference of workers of the department of technical control and factory laboratories in the manufacture of structural and technical glass. Stek. 1 ker. 22 no.3:47 Mr '65.

(MIRA 18:10)



86199 \$/055/60/000/005/005/010 16.1500 16.6500 AUTHOR: Kolbasinskiy, A.S. C111/0222 TITLE: Some Generalizations of A.M. Ostrowski's Theorems on Iteration PERIODICAL: Vestnik Moskovskogo universiteta. Seriya I, matematika, mekhanika, 1960, No.5, pp. 40-48 TEXT: Let X be an Euclidean complex space, A be a Hermitean non-singular be a system of algebraic equations, where b is a known, and x is the sought $h = A^{-1}b$ be the solution of (1). If x is an approximate value of h then let and (4)Card 1/5

86199

8/055/60/000/005/005/010 C111/C222

Some Generalizations of A.M.Ostrowski's Theorems on Iteration Processes
The quadratic form $A(y_{k'}) = \bar{y}_{k'}^{\dagger} Ay_{k'}$ is called the error function. For an arbitrary initial vector x_{0} the sequence of approximations $\{x_{k'}\}$ is constructed according to the following scheme: Let $x_{k'}$ be known; a) one chooses a subspace $E_{k'}(x_{0}, y_{0})$ one chooses a vector $d_{k'}(x_{0}, y_{0})$ so that

- (5) $A\langle y_{2}^{-d}y_{2}\rangle = \min_{d \in E_{2}} A\langle y_{2}^{-d}\rangle,$
- o) one chooses a number que(0,2), d) then it holds
- (6) x_{2e+1} = x_{e+q}ed xe.

This construction is called an iteration; the sequence $\{E_{\mathcal{K}}\}$ is called the way of iteration; the numbers $q_{\mathcal{K}}$ are coefficients of relaxation. If the choice of the $E_{\mathcal{K}}$ depends on the intermediate results then the author calls it control of the way of iteration. Let $r^{\mathcal{K}}$ be the vector arising by a Card 2/5

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S/055/60/000/005/005/010 C111/C222

Some Generalizations of A.M.Ostrowski's Theorems on Iteration Processes

The letters $\infty, \beta, \delta, \mathcal{H}, \mu, \nu, G, \mathcal{T}$ are indices or natural numbers. Theorem 1: Let A be positive definite in X. For a certain \mathcal{T} and a certain g>0 let exist a μ for all \mathcal{H} \mathcal{H} \mathcal{H} \mathcal{H} for all \mathcal{H} \mathcal{H} \mathcal{H} so that it holds 1 2 2 M > 8 1 2 11

For an ≪≤7 let

(9)
$$\sum_{\alpha=0}^{\infty} \min_{\alpha \in \{m, n\} \text{ (2q}_{m} - q_{m}^{2})} (2q_{m} - q_{m}^{2})$$

be divergent. Then the sequence [x42] converges to the solution h of (1). Theorem 2: If in theorem 1 the condition (9) is replaced by: for all *2

(10) 92€(€,2-€),

Card 3/5

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Some Generalizations of A.M.Ostrowski's Theorems on Iteration Processes then there exist numbers a and 9 E(0,1) so that it holds

(11) lyz/1≤a0 €.

Theorem 3: If A is positive definite in all E but not in X then there exists an open set of initial vectors x for which the sequences {x} do not converge to the solution of (2) for an arbitrary choice of the q of [0,2].

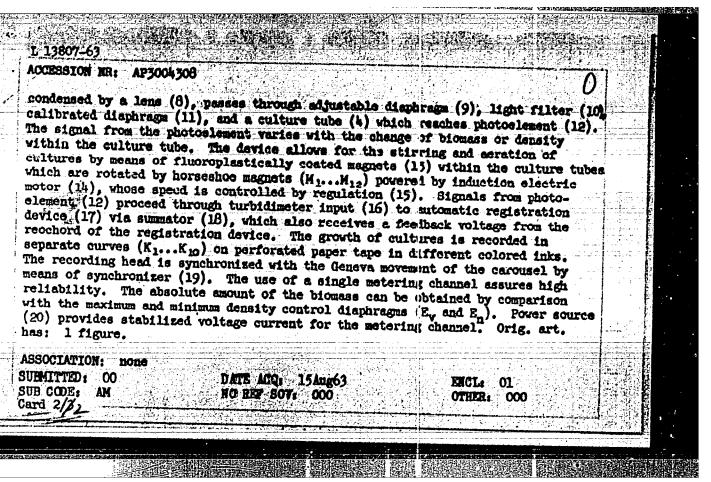
A set M of subspaces ECX is called "n-representing" in X if for n and all vectors reX it holds:

(18) max ||r^E|| ≥ \|r||.

A way of iteration is called "quasicyclic with the period" if for a Called "quasicyclic with the period of the spaces (Extended the period of the period

Card 4/5

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		152
	AUTHOR: Chernov, V. M.; Beresnikov, V. M.; Drevush, V. P.; Kolbesov, A. M.	
	TITIE: Automatic registration of the growth of microorganisms	
	44	
	SOURCE: AN 888R. Vestnik, no. 7, 1963, 77-79	
-	TOPIC TAGE: microorganism culture, growth registration, turbidimeter, photoelement,	
	Tenera movement	
	ABSTRACT: A device for the continuous automatic registration of change in the	,
_	rate of growth of microorganism cultures was developed for the purpose of moni-	
	toring the effects of additives (antibiotics, antimetabolites, etc.) to cultures.	
	The device consists of a twelve-place cultivating carousel electrically synchro-	
	nized with a turbidimeter (see Fig. 1 of Enclosure). Motion is imparted to twelve- position Geneva-movement mechanism (1) by synchronous electric motor (2), which	
-	rotates carousel (3) with culture tubes (4) (TT.) and control disphrague	
	(E _v and E _n) within thermostatic chamber (5), whose preset temperature is maintained	
	by automatic regulator (6). Each cycle of the Geneva movement places a culture	
	tube (or one of the control disphragus) in front of electric bulb (7), whose light,	
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CHERNOV, V.N.; EPSHTEYN, M.I.; BEREZIN, B.V.; KOLBASOV, A.N.

A device for the measurement of the illumination of microorganisms in different spectral regions, 300-1,000 mm. Mikrobiologiia 33 no.1:172-175 Ja-F '64. (MIRA 17:9)

1. Institut mikrobiologii AN SSSR.

39515

26,5200 **AUTHOR:**

Kolbasov, B. N

S/649/61/000/139/016/018

1028/1228

TITLE:

Investigation of heat transferred to carbon dioxide in the region of thermodynamic crisis of a turbulent flow in pipes

SOURCE:

Moscow. Institut inzhenerov zheleznodorozhnogo transporta. Trudy, no. 139. 1961. Teoriya podobiya i yeye primeneniye v teplotekhnike; trudy pervoi mezhvuzoskoy kon-

ferentsii, 193-199

TEXT: A simple non-empirical method to determine the temperature at the surface of a channel cooled by carbon dioxide is proposed. Existing formulae for heat transfer in the region of thermodynamic crisis are so complex, as to need empirical corrections, and do not fit the experimental data; this fact prompted the present investigation. An experimental contour 6 m high, through which carbon dioxide flowed by convection was heated from below and cooled from above. The experimental section was placed horizontally in the upper part consisting of a steel pipe through which passes an alternating electric current. On the external surface were fixed thermocouples, which measured the temperature. The pressure, rate of flow, current, and the tension were recorded. The coefficient of heat transfer where the thermocouples were fixed was determined. The assembled data agrees with the formula:

 $Nu_c = 0.021 Re^{0.8}Rr^{0.43}(P_{T_w}/P_{T_c})^{0.25}$

(4)

Card 1/2

Investigation of heat...

S/649/61/000/139/016/018 I028/12**2**8

where the indexes c and w indicate parameters of the heat carrier and the wall, respectively. The Voskresenskiy-Turilina theoretical formula was tested and its agreement with experimental data found to be satisfactory. I. V. Yanushevich, O. B. Samoylov, and V. N. Robolovich are mentioned as having collaborated with the author. There are 4 figures.

1

ASSOCIATION: Moskovskiy inzhenero-fizicheskiy institut (Moscow Institute of Engineering and Physics)

Card 2/2

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PONOMAREV-STEPNOY, N. N.; KOLBASOV, B. N.; VIYEVNOV, A. N.

"High-temperature gas cooled power reactor."

report submitted for 3rd Intl Conf, Peaceful Uses of Atomic Energy, Geneva, 31 Aug-9 Sep 64.

KOLBASOV. D. A. (Eng.); DOLCIKH, B. I. (Eng.)

Shoe Industry

Sewing of assorted styles and sizes of stock in sewing shops. Leg. Prom. 12 No. 9, 1952.

9. Monthly List of Russian Accessions, Library of Congress, December 1952, Uncl

Kolbasov, D. N. "Investigation of Heat Transfer and Thermal Properties of Carbon Dioxide in the Critical Region of Thermodynamic State." Report presented at the Conference on Heat and Transfer. Minsk, USSE, 5-10 June 61

26-58-4-7/45

AUTHOR:

Kolbasov, O.S., Candidate of Juridical Sciences

TITLE:

Lenin's Ideas on the Conservation of Natural Resources (Le-

ninskiye idei ob okhrane prirody)

PERIODICAL:

Priroda, 1958, Nr 4, pp 41-44 (USSR)

ABSTRACT:

Lenin stressed the importance of rational exploitation of natural resources according to scientific and technical principles, and during the first years after the Revolution the Soviet Government issued decrees and regulations for the protection of forests, parks and other natural objects of importance. Special agencies were established all over the USSR to enforce these regulations and heavy fines and punishments were imposed on violators. This policy is continued under the present Soviet rulers and will be intensified with

the growing industrialization of the country. There is 1 photo and 6 Soviet references.

ASSOCIATION:

Tomskiy gosudarstvennyy universitet imeni V.V. Kuybysheva

(Tomsk State University imeni V.V. Kuybyshev)

AVAILABLE:

Card 1/1

1. Natural resources-Conservation 2. Natural resources-USSR

Library of Congress

KOLBASOV, V. A.

AUTHORS: Dianov-Klokov, V.I., and Kolbasov, V.A.

120-5-23/35

TITLE:

Bi-directional Photo-electric Interference-band Recorder

(Dvunapravlennyy fotoelektricheskiy registrator

interferentsionnykh polos)

PERIODICAL: Pribory i Tekhnika Eksperimenta, 1957, No.5, pp. 95 - 99 (USSR).

ABSTRACT: The changing phase of the interference pattern is converted into a moving electric vector. A previous attempt at such an instrument (Ref.2) was successful only when the phase of the pattern changed monotonically. The present apparatus will also deal with changes in direction, and is intended for use with the proton refractometer due to Obreimov (Ref.1). It was developed in the optical laboratory of the INEOS Ac.Sc. USSR. Three photocells are used to receive the light. One receives the total flux, the other two receive light split equally by a wedge located opposite a narrow slit. By suitably combining the outputs of the cells, it is possible to derive signals proportional to the sum and difference of illuminations from symmetrical parts of an interference band. These component signals define a rotating electric vector. Fig. 2 shows how the modulus of this vector is affected by Card 1/2

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000723720011 Bi-directional Photo-electric Interference-band Recorder.

the fraction of the interference band intercepted by the slit. The light source is a mercury arc fed from the mains and thus modulated at 100 c.p.s. Fig. 3 is a block diagram sowing how the modulated output currents from cells type \$\phi \text{Y} - 25\$ are added and phase shifted \$\pm 45\$, passed through a tuned amplifier with a.g.c. to remove changes in signal strength and applied to the rotor of the synchronous indicator type BT-3. The complete circuit diagram of Fig. 4 with component values shows the use of a transformer as smoothing choke in the power pack. The 100 c.p.s. ripple voltage across the secondary of the transformer feeds the stator of the indicator. The position of the interference pattern can be located to within 5 - 10% of a period when it is changing at a rate of 5 periods/sec. Seven valves are used. Assistance was received from Ye.A. Shibalov, D.D. Brezhnev, Zvagel'skiy, F.G. There are 4 figures and 5 references, 4 of which are Slavic.

ASSOCIATION:

Institute for Elemental-organic Compounds Ac. Sc. USSR (Institut elementoorganicheskikh soyedineniy AN SSSR)

SUBMITTED:

March 7, 1957.

AVAILABIE: Card 2/2

Library of Congress

KOLBASOV, V.A.

AUTHORS:

Dianov-Klokov, V.I., Candidate of Physical-

67**-58** -2-11/26

Mathematical Sciences, Kolbasov, V.A., Engineer,

Lemarin'ye, K.N., Engineer

TITLE:

The Spectral Analysis of Nitrogen in Argon (Spektral'noye

opredeleniye primesey azota v argone)

PERIODICAL:

Kislorod, 1958, // Nr 2, pp. 49-51 (USSR)

ABSTRACT:

It is said in the introduction that this method has proved to be of practical use in Soviet plants. However, the apparatus used for this purpose have certain disadvantages as a result of which inaccurate results are obtained in individual cases. In order to prevent this, it is recommended in the course of this paper that the light sensitiveness of this apparatus be increased by summation of loads. In this case the individual pulses of the photocurrent are collected during the period of from 10-20 seconds in loading condensers. Meanwhile, the luminescent spot produces a straight line, the "arrow", the angle of which can easily be computed. The oscillographic tube "8 LO39" has a screen with afterglow, so that the "arrow" can be conserved for 1 minute. Centering of the beam is brought about by means of two revolving deflection coils.

Card 1/2

The Spectral Analysis of Nitrogen in Argon

67-58-2-11/26

Rough adjustment of the two analyzer channels is carried out by switching over the loading condensers, and fine adjustment is brought about by diaphragming the slots before the photomultipliers. In the rectifier of the feed block ferroresonance stabilization is applied. Selenium rods (ABC-7-JP) serve as valves. In the case of particularly pure gases it is recommended to use a collection of suitable filters instead of spectrographs. There are 3 figures, 3 references, all Soviet.

AVAILABLE:

Library of Congress

1. Nitrogen—Spectrum 2. Argon—Applications 3. Laboratory equipment—Operation

Card 2/2

37800

24.7900

S/120/62/000/002/025/047 E039/E435

AUTHORS:

Kolbasov, V.A., Mukhina, M.M., Nazarov, V.P.

TITLE:

Par same

A spectrometer for electron paramagnetic resonance absorption with a high frequency modulated magnetic

field

PERIODICAL: Pribory i tekhnika eksperimenta, no.2, 1962, 107-110

This spectrometer can record electron paramagnetic TEXT: resonance (E.P.R.) absorption in a sample containing paramagnetic centres at room temperature and at 77°K for wavelengths ~ 3 cm. The E.P.R. absorption signal is displayed on a long afterglow A block diagram of the cathode ray tube or recorded on tape. apparatus is given and also a circuit diagram of the recording apparatus. An adjustable rectangular resonator containing the sample is situated between the poles of an electromagnet, the field of which is modulated at a frequency of 465 Kc/s. constant component of the magnetic field can be varied in the range 50 to 5000 cersteds and is stabilized to 0.01%. recording apparatus consists essentially of a preamplifier which simultaneously amplifies the E.P.R. signal and the klystron Card 1/2

APPROVED FOR RELEASE: 06/19/2000

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5

A spectrometer for electron ...

frequency (465 Kc/s and 295 Kc/s respectively); an indicator circuit for the amplification and recording of the E.P.R. signal and a high frequency generator. These circuits are described in detail. By simultaneously amplifying the E.P.R. signal and klystron frequency the number of tubes and other components is decreased, thereby increasing the reliability of the apparatus. In addition, the separation of the pre-amplifier and indicating circuits simplifies the problem of screening. The apparatus has been used for recording E.P.R. spectra of different classes of organic compounds. Its sensitivity is about 10 mole for the free radical of diphenylpicrylhydrazyl. There are 5 figures.

ASSOCIATION: Institut elementoorganicheskikh soyedineniy AN SSSR (Institute of Elemental-Organic Compounds, AS USSR)

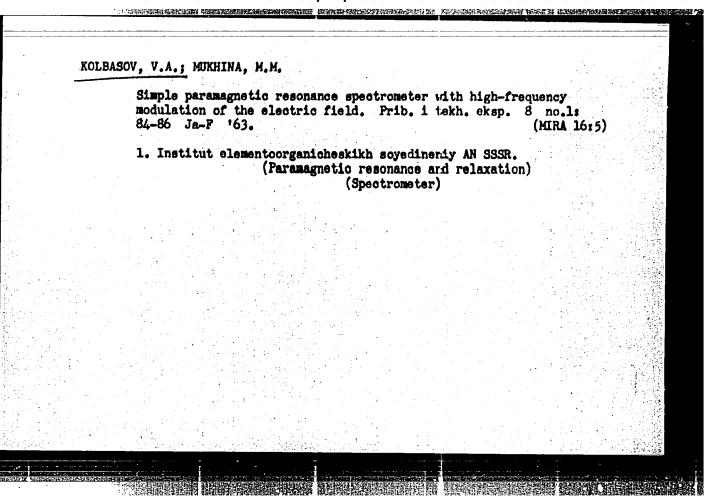
SUBMITTED: July 6, 1961

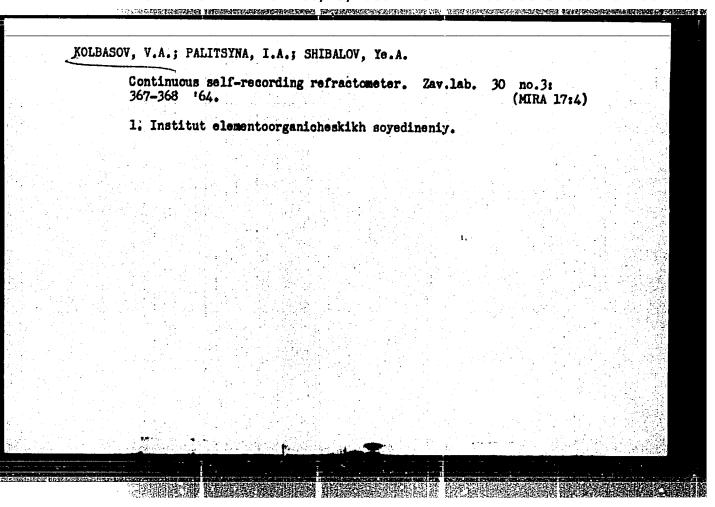
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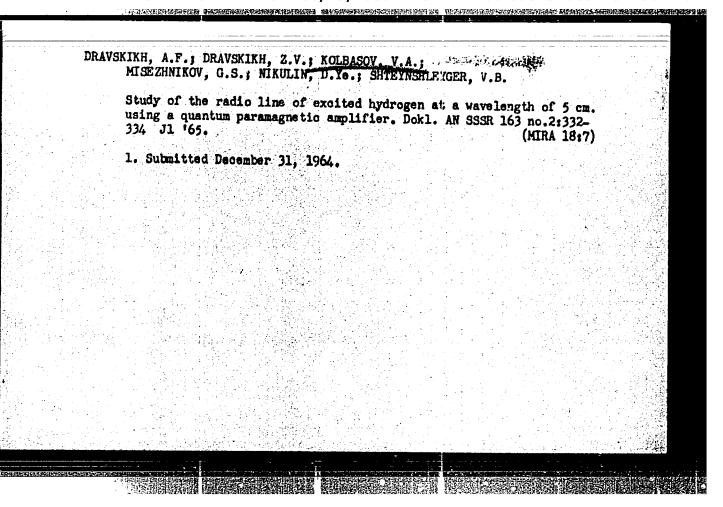
KOLBASOV, V.A.; MOKHINA, M.M.; NAZAROV, V.P.

Electronic paramagnetic resonance absorption spectrometer allowing high-frequency magnetic field modulation. Prib. i tekh. eksp. 7 no.2:107-110 Mr-Ap '62. (MIRA 15:5)

1. Institut elementoorganicheskikh soyedineniy AN SSSR. (Spectrometer) (Paramagnetic resonance and relaxation)







L 1938-66 EWT(1)/FBD CW/WS-2 ACCESSION NR : APSO18742 AUTHOR: Dravskikh, A. Z.; Dravskikh, Z. V.; Kolbasov Mikulin, D. Ye.; Shteydshleyger, V. B. TITIE: Investigation of the radio line of excited hydrogen at 5 cm wavelength, using a quantum paramagnetic amplifier SOURCE: AN 888R. Doklady, v. 163, no. 2, 1965, 332-334 TOPIC TAGS: radio astronomy galaxy, galactic nebula, line intensity, line width, hydrogen line, quantum device ABSTRACT: Since stars are more likely to have excited hydrogen than neutral hydrogen, a study of the excited-hydrogen radio lines can yield information on the structure of the galaxy. The authors describe experiments made in 1964, which confirmed the presence of such a line, plotting its profile in the Omega nebula. This was made possible by using a traveling-wave quantum paramagnetic amplifier for 5-cm wavelength, operating at 4.2K, with gain of 25 db and bandwidth 26 Kc. The radiospectrograph used for the observation was a modulation-type radiometer with triple frequency conversion and contour analyzer. Two measurements were made (in May and July). In the first the spectrum from the nebula was compared with the radiation spectrum of the earth's atmosphere and analyzed in the 5.5-Mc bend, and in the Card 1/2

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secon	d the comparison was with the	rediction from A-C	rgmi and the anal	vata in the Par	
line	intensity at the maximum to as	ra.coserved in the	7705 Mc region.	the redio-	
	Khaykin, Uu. N. Pariyskiy, D. V. M. Turevskiy, V. P. Kosolar				
•		y V. A. Kotel niko	W. Orig. art. ha	it 4 figures.	
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DZHAGATSPANYAN, R.V.; ZETKIN, V.I. Prinimali uchastive: OSPELOV, V.Ye.;

KOIRASOV, V.;

Sulfcublorination of polyethylene under the action of CO^{6O} gamma radiation. Flast.massy no.1025-8 164.

(MIRA 17:10)

IOLEASOV, V.I., BARDENSHTEYE, S.B., DERACATSPARYAN, R.V.

Quantitative analysis of a mixtrue of monochlorides, based on their infrared absorption spectra. Zav.lab. 26 no.5:587-590 '60.

(Chlorides--Spectra)

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		Quantiti	ative deter	mination of orption spec	impurities tra. Zav.la	in industr b 25 no.10	ial epichlor: 1120-1122 (MIRA 13:	60 .
			(3 0)	chlorobydri	nSpectra)		(

8/032/61/027/003/010/025 B101/B203

AUTHORS:

Kolbasov, V. I., Bardenshteyn, S. B., and Dzhagatspanyan, R. V.

TITLE:

Quantitative analysis of crude trichloro ethane by means of

infrared absorption spectra

PERIODICAL: Zavodskaya laboratoriya, v. 27, no. 3, 1961, 295-296

TEXT: To elaborate an efficient method for the simultaneous production of perchloro-vinyl resin and trichloro ethane it was necessary to analyze the crude trichloro ethane which consisted of 50-60% 1, 2-dichloro ethane, 40-50% 1, 1, 2-trichloro ethane, and 3-5% tetrackloro ethanes. An analysis of the mixture by rectification takes much time (2-3 days) and is independable. The present paper describes a method for the quantitative analysis of crude trichloro ethane on the basis of infrared spectra taken with an MKC-14 (IKS-14) split-beam spectrophotometer. Such an analysis takes only about one hr. The infrared spectra of the substances concerned are described in publications: 1, 2-dichloro ethane (Ref. 1: A. Berton, Chim. analyt. 38, No. 6, 207 (1956); Ref. 2: G. Pirlo:, Bull. Soc. chim. belges, 58, No. 1, 28 (1949); Ref. 3: J. K. Brown, N. Sheppard, Trans. Faraday Soc.

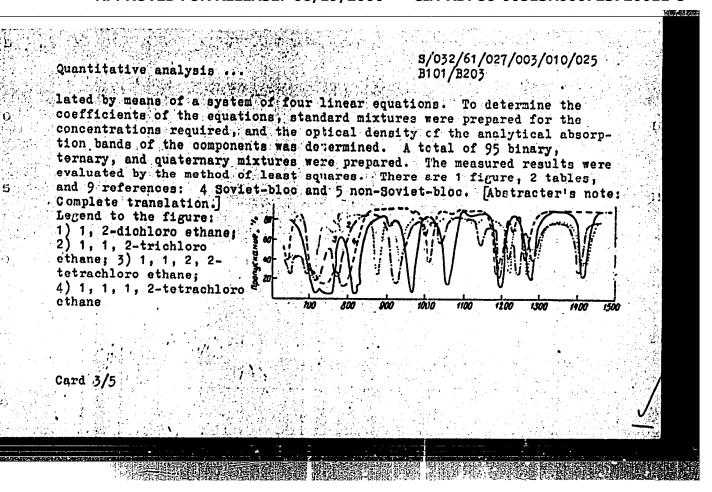
Card 1/5

8/032/61/027/003/010/025 B101/B203

Quantitative analysis ...

48, 128 (1952)); 1, 1, 2-trichloro ethane (Ref. 2); 1, 1, 1, 2-tetrachloro ethane (Ref. 2 and Ref. 4: I. R. Nielsen, C. Liang, Z. W. Daasch, J. Opt. Soc. Amer., 43, 1071 (1953)); 1, 1, 2, 2-tetrachloro ethane (Refs. 1, 2, 4), as well as the method for the quantitative determination of their mixtures (Ref. 2, Ref. 5: A. I. Finkelishteyn, Ts. N. Roginskaya et al., Zavodskaya laboratoriya, XXV, 8, 932 (1959)). The proposed analysis of the quaternary mixture of 1, 2-dichloro ethane, 1, 1, 2-trichloro ethane, 1, 1, 1, 2- and 1, 1, 2, 2-tetrachloro ethane is distinguished from the analysis described in Refs. 2, 5 by the use of the NKC-14 (IKS-14) split-beam spectrometer, and the calculation of concentration on the basis of standard mixtures using the method of least squares (pentachloro ethane and 1, 1, 2, 2-tetrachloro ethane give superimposed bands at 1017 cm-1, and are determined summationally). CCl was used as a solvent. Well purified preparations made by E. Sonin, the constants of which agreed with published data, were employed (Table 1). The figure shows the infrared spectra of the four substances studied (thickness of the absorption layer 0.01 mm). The optical density was determined according to Ref. 6 (Z. Williams, Anal. Chem. 29, No. 10, 1551 (1957)), the concentration of components was calcu-

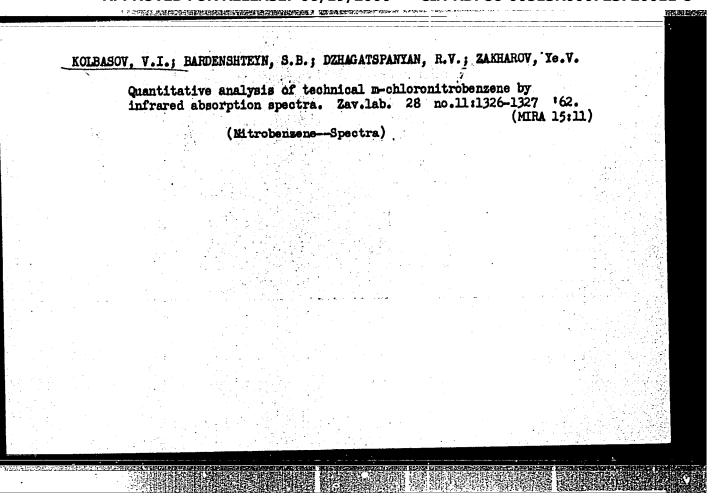
Card 2/5



KOLBASOV, V.I.; BARDENSHTEYN, S.B.; DZHAGATSPANYAN, R.V.;
Prinimala uchastiye: KIRICHEK, V.Ya.

Quantitative analysis of commercial hexachlorobenzene based on infrared absorption spectra. Zav.lab. 28 no.4:446-447
162. (MIRA 15:5)

(Benzene-Spectra)



Cuantitative analysis of impurities in chloroform from their infrared absorption spectra. Zav.lab. 29 no.8:938-940 .65.

(Chloroform) (Organic compounds-Absorption spectra)

(Chemistry, Analytical-- Quantitative)

MOTSAREV, G.V.; YAKUBOVICH, A.Ya.; ROZENBERG, V.R.; FILIPFOV, M.T.;
DZHAGATSPANYAN, R.V.; BARDENSHTEYN, S.B.; KOLBASOV, V.I.;
ZETKIN, V.I.

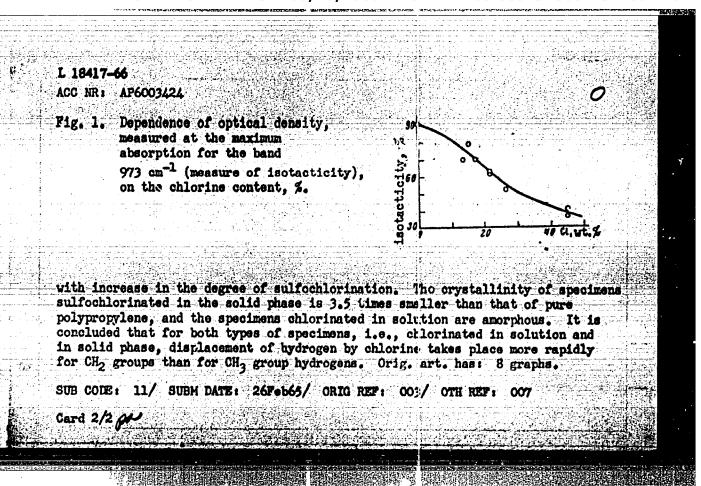
Halogenation of aromatic silanes. Part 17: Addition of chlorina to phenyl-trichlerosilane. Preparation of hexachlorocyclohexyl-trichlorosilane and the mechanism of its formation. Zhur. ob. khim. 35 no.7:1178-1183 Jl '65. (MIRA 18:8)

DZHAQATSPANYAN, R.V.; KOLBASOV. V.I.; BARDENSHTEYN, S.B.; KOROLEV, B.M.;
ROMANSKIY, I.A.; ZETKIN, V.I.

Structure of radiation chlorinated and sulfochlorinated polyethylene.
Vysokom. soed. 7 no.11:1959-1963 N '65. (MIRA 19:1)

1. Submitted December 26, 1964.

	66 EWT (m)/EWP AP6003424	(j)/T/EWA (h)/EWA (S	L) RM DURCE CODE: UR	/0190/66/008/0	01/0125/0130	
AUTHORS:	Dahaga tepanyai	n, R. V.; Bardens	ateyn, S. B., K	olbasov, V. I.	Korolev,	
ORG: no					B	
TITLE: polypror	Study of the st	ruoture of radiat	ion chloring tec	19		
SOURCE:	Vysokomolekuly	arnyye soyedineni	<u> </u>			
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extend	f radiation in t	e of sulfochloring he solid phase, was Dahagatapanyan, Pospelov (Avt. 8	as investighted L. M. Yakimen wid. 149773. 1	ko, V. I. Zetk 661 g.: RZhKhir	in, A. I. n. 1963	
9750).	A comparison of	IR spectra of a sented. The experiound that the ory	specimen chior- imental result stallinity of	s are presented polypropylene	i graphically decreases	2
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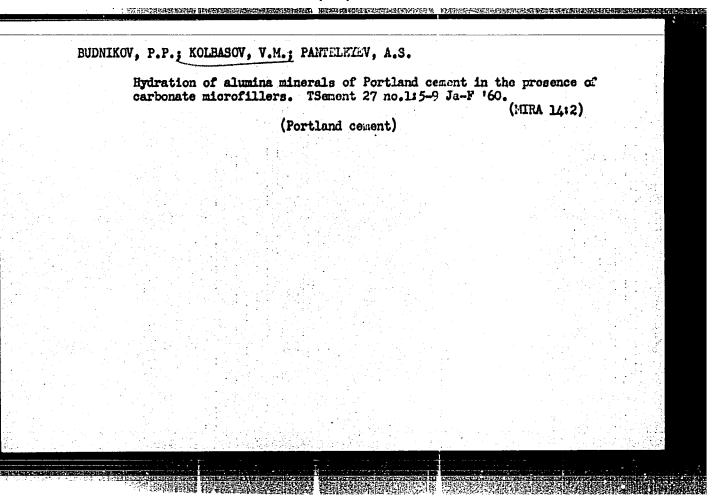


AP6008980	(A) SOURCE CODE: UR/0190/65/007/011/195	9/1963
AUTHORS: Dahagatspany B. M.; Romanskiy, I. A	an, R. V.; Kolbasov, V. I.; Bardenshteyn, S. B.; Korol	.ev,
ORG: none		43
	of radiation oblorinated and sulfochlorinated polyethy	lene/
SOURCE: Vysokomolekul	yarnyye doyedineniya, v. 7, no. 11, 1965, 1959-1963	
TOPIC TAGS: polymer,	polyethylene, chlorination, aliphatic compound, chlori	пе
القررة ما تبديج في تنهزكي الفياما والفاطور الداشيجة	rik in kangupangan yang Mikilah Mikari napa dan arang menangkan perangan baran sebiah salah menangan belangan d	
in the solid state and specimens were prepare A. I. Gershenovich, an izobreteniy, 1963, No. presented. It was four polyethylene were iden is concluded that chlority.	re of radiation chlorinated and sulfochlorinated polye in solution was studied by IR spectroscopy. The poly d after the method of R. V. Dsharatspanyan, L. M. Yaki d V. I. Zetkin (Avt. svid. No. 150625, 1961; Byull. 20, 93). The IR spectra of the investigated compound and that the IR spectra of bulk radiation sulfochlorinatical to those sulfochlorinated in bulk by chlorine rination of the polymer occurs more readily in the amountailine phase. Orig. art. has: 2 graphs.	ethylene menko, is are ited

KOLEASOV, V. M. Cand Tech Sci — (diss) "Investigation of the effect of carbonate rocks on the properties of cements having different mineralogical composition," Moscow, 1960, 23 pp 150 cop.

(Moscow Chemico-technological Institute im D. I. Mendeleyev) (KL, 42-60, 114)

Interaction between alumina-containing clinker minerals and calcium carbonate. Imp. The state of the state of



S/081/61/000/021/049/094 B110/B101

AUTHORS:

Budnikov, P. P., Kolbasov, V. M., Panteleyev, A. S.

TITLE:

Hydration of aluminum-containing minerals of Portland cement

in carbonate microfillers

PERIODICAL:

Referativnyy shurnal. Khimiya, no. 21, 1961, 311, abstract

21K307 (Taement, no. 1, 1961, 5 - 9)

TEXT: If C₃A and C₄AF are hydrated in the presence of carbonate microfillers (marble, dolomite, magnesite), the products change in their phase composition. The resulting new crystalline phase is a product of the chemical interaction between calcium aluminatehydrate and carbonates in aqueous medium, and has been identified as 3 CaO·Al₀·11H₂O·. The basic phase resulting from the hydration of C₃A with marble and dolomite additions consists of hexagonal crystal hydrates with refractive indices that are characteristic of calcium carboaluminate. These new formations are also found in a hydrated mixture of C₃A and magnesite. The phase prevailing

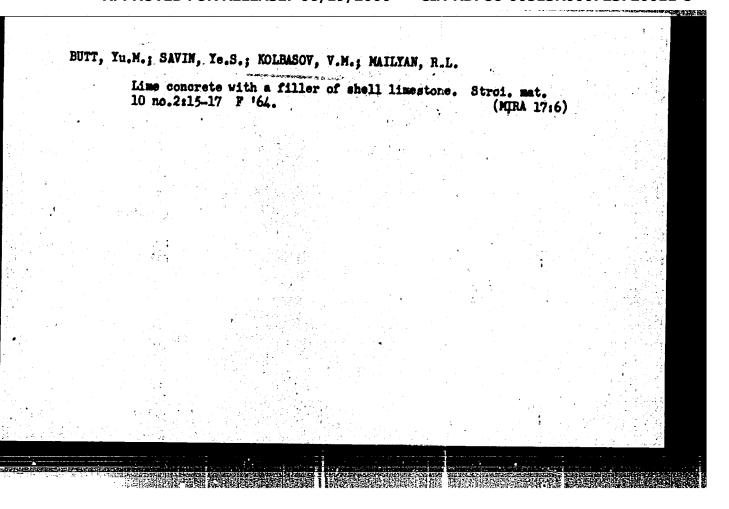
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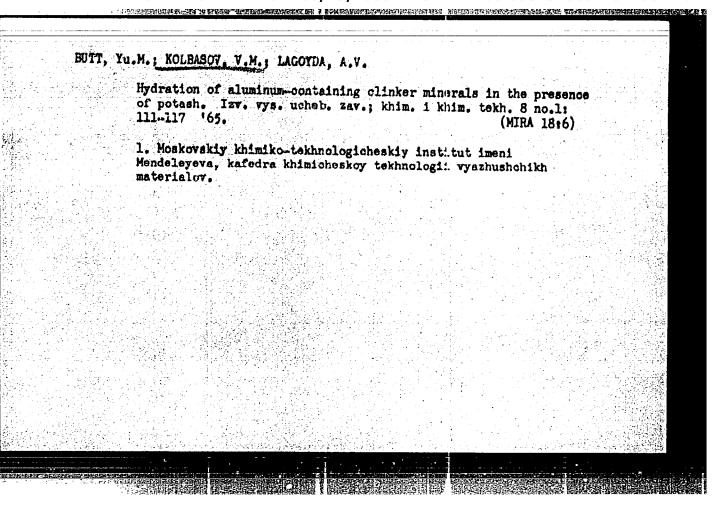
Hydration of aluminum-containing minerals..

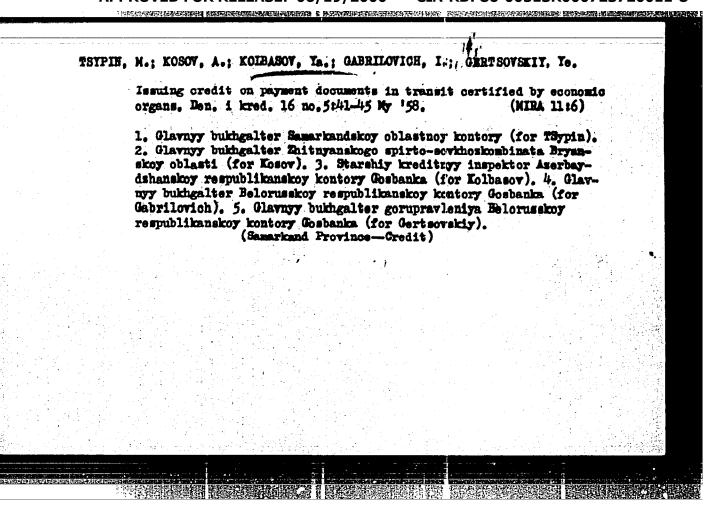
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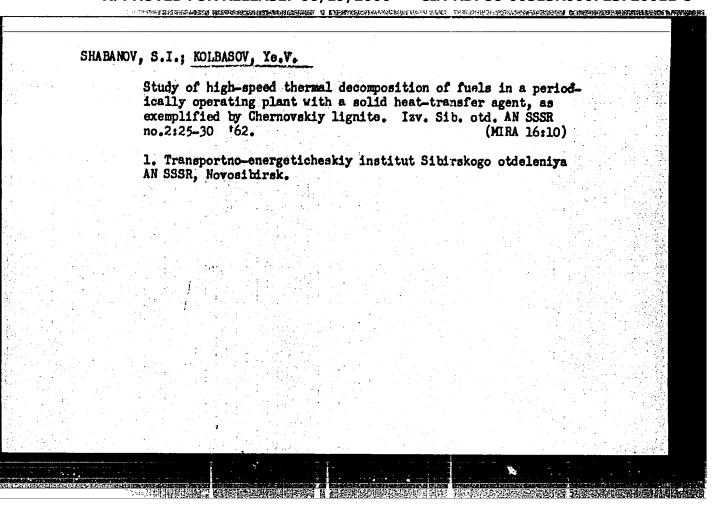
in the hydration of C₄AF with microfillers consists of brown isotropic iron hydroxides. Not much of C₃AH₆ is formed, and harily any at all in mixtures of C₄AF with marble and dolomite. Introducing carbonate microfillers raises the strength of C₃A and C₄AF, probably due to the formation of the abovementioned new phases. [Abstracter's note: Complete translation.]

Card 2/2

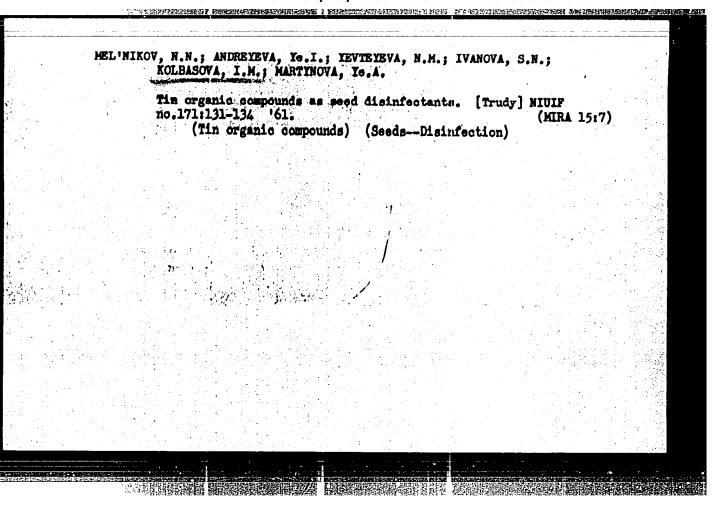








KOLBASOVA, A.N. Thorn test in hypertension. Sov. med. 28 no.6:13-15 Je *65. (MIRA 18:8) 1. Gospital'naya terapevticheskaya klinika (sav.- prof. V.A. Triger) Chernovitskogo meditsinakogo instituta.



GERMAN, Anna Lazarevna; KOLBASOVA, Roza Borisovna; LEVINA, Ye.S., ved. red.

[Petroleum sulfo acids; their production and use] Neftianye sulfokisloty; proizvodstvo i primenenie. Moskva, Izd-vo "Khimita," 1964. 143 p. (MIRA 17:6)

15(2) AUTHORS: Kalliga, G. P., Kolbasova, V. A. 507/156-59-2-43/48 TITLE: On the Problem of the Technology of Carconium Products by Means of the Method of Casting From Aqueous Suspensions (K voprosu tekhnologii tsirkoniyevykh izdeliy metodom lit'ya iz vodnykh suspenziy) Nauchnyye doklady vysshey shkoly. Khiniya i khimicheskaya PERIODICAL: tekhnologiya, 1959, Nr 2, pp 386-389 (USSR) ABSTRACT: This work was carried out in co-operation with the Podoliya Works for Refractories (Podol'skiy zaved egneupornykh izdeliy) and the Leningrad Institute for Physical Chemistry of Silicates of the AS USSR (Leningradskiy institut fizicheskoy khimii silikatov AN SSSR). The institute mentioned under Association systematically investigated the technology named in the title.

Card 1/2

hydrochloric acid. The distribution of the grain-sizes in the ground circonium-oxide is shown in table 2. The optimal composition of the raw-material under variation of the humidity content

Technical circonium-oxide (analysis in Table 1) was used and MgO, Ca(OH) or CaCO, served as stabilizers. The raw material was wet-ground in a ball-mill, the ZrO, freed from iron through

On the Problem of the Technology of Circonium Products SOV/156-59-2-43/48 by Means of the Method of Casting From Aqueous Suspensions

(52-60%) and the pH-value (8.0 - 9.7) of the surroundings was determined through casting tests. Specific gravity, water absorption, perosity, and shrinkage were determined after the burning (at 1720 - 1736 degrees). The results are listed in table 3. The specific gravity was 5.26-5.29 g/cm³, the water absorption 0.2 - 0.6%. The optimal humidity content was 60% at a stabilization through MgO, 42% with CaCO₃ as stabilizer. The shrinkage was approximately 25% when CaCO₃ was used, and was by 7% lower than with MgO. The bigger statility, smaller humidity of the raw-material and smaller shrinkage by adding CaCO₃ indicate its being the most suitable stabilizer in comparison with MgO. There are 1 figure, 4 tables, and 8 references, 3 of which are Soviet.

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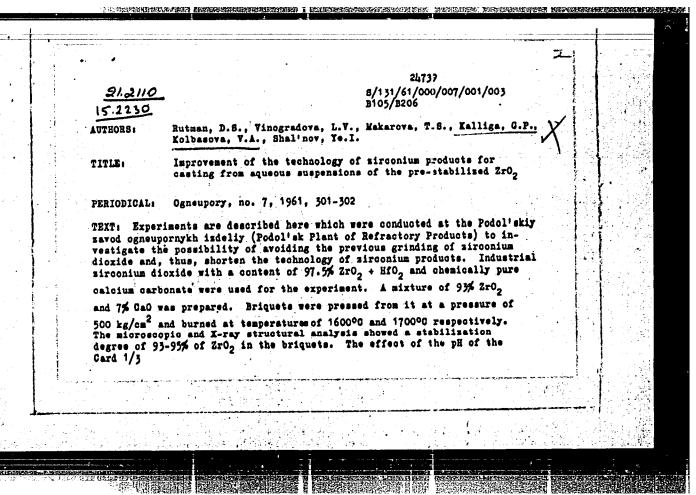
Kafedra tekhnologii keramiki i ogneuporov Moskovskogo khimikotekhnologicheskogo instituta im. D. I. Mendeleyeva (Chair for Technology of Ceramics and Refractories Moscow Institute for Chemical Technology imeni D. I. Mendeleyev) November 18, 1958

SUBMITTED: Card 2/2

Wallica, G.P.; Koleasova, V.A.; Poluboyarihov, D.N.

Using calcium sirconate as a stabliser in manufacturing sirconia products. Ogneupory 25 no.7:324-329 '60. (MIRA 13:8)

1. Khimiko-tekhnologioheekiy institut im. Mendeleyeva. (Refractory materials)



24739 8/131/61/000/007/001/003 Improvement of the technology ... medium on the viscosity index of the crude sirconium mass was also tested. The particles are characterized by high values of the & potential, which cause the stability of the crude mass. With the parameters mentioned, an experimental batch of crucibles with a content up to 300 cm3 was cast. The characteristic values of the blanks and of the products burned for 9 hr at 1600°C are compared in the table with the characteristic values for previous grinding of ZrO2 and riming before stabilization. The duration of the production cycle is shortened by about ten days and grinding and rinsing of ${\rm Zr0}_2$ previous to preparation for stabilization are omitted. The use of stabilized ZrO2 without previous grinding showed that the sintering ability of the material was slightly improved. There are 1 figure and 1 table. ASSOCIATION: Podol'skiy saved ogneupornykh isdeliy (Podol'sk Plant of Refractory Products) D.S. Rutman, L.V. Vinogradova, T.S. Makarova; Khimiko-tekhnologicheskiy institut im. Mendeleyeva (Chemical-technological Institute imeni Mendeleyev) G.P. Kalliga, V.A. Kolbasova, Ye.I. Shal' nov. Card 2/3

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	Improvement of the technology	S/131/ B105/8	21,739 61/000/0 206	07/001/0	03		
	Legend to Table 1: 1) Preparation meth for sirconium products, 2) weight of un	nit .	74 t	des mounts	MARE		
	products; 4) weight of unit volume, g/5) water absorption, %; 6) shrinkage, ; a) casting from stabilized ZrO ₂ withou	Merng unversagence (m) unpersonne (m) unpersonne (m)	288		1		
	previous grinding of the initial mater b) casting from stabilised ZrO ₂ (usual	ials; d. June us	3,1	5,3 0,3	3,0	Service of the servic	
	process)	предваря- тельного по- мола исход- ими мате-					
		рявлов Дитье на стабляванной дованной ZrO ₂ (обыч-	2,8-3.1	5,4 0,0 [r –20		
		AND (CONT. MAR TEXHOLO- PMR)		1.1			
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32664 8/131/62/000/001/001/002 B105/B110

AUTHORS:

Kalliga, G. P., Kolbasova, V. A., Poluboyarinov, D. N.

TITLE:

Peculiarities of the casting technology for zirconium products

PERIODICAL: Ogneupory, no. 1, 1962, 28-34

TEXT: An investigation conducted jointly with the Podol'skiy zavod ogneupornykh izdeliy (Podol'sk Plant of Refractory Products) dealt with the following processes: (1) Dressing of the raw material, (2) its acid treatment and the casting process in various media. Experiments were conducted with zirconium dioxide (97.55% ZrO₂, 1.15% TiO₂) which was stabilized by admixture of 6% CaO. Industrial ZrO₂ and CaCO₃ were used as initial materials. Zirconium dioxide was ground, washed with HCl, and brought to pH = 3 with water. CaCO₃ was ground in a corundum mill. Briquettes were molded from these materials at 500 kg/cm², and fired at 1750°C. Two types of initial dross were used: alkaline with pH = 10.5 and acid with pH = 1.5-1.7. The casting properties of alkaline and acid dross were determined. L. G. Markaryan, V. I. Markaryan, L. M. Privina, Card 1/2

32664 8/131/62/000/001/001/002 B105/B110

Peculiarities of the casting ...

and M. I. Minkina assisted with this study. Alkaline dross has poor casting properties. When using acid dross, washing with HCl may improve casting properties, increase the density of the blanks, and reduce shrinkage during firing. A moisture of about 30% and pH = 1.5-2.0 were found to be most suitable for the casting of dross from stabilized ZrO2 washed with HCl, the density of the casting being 2.8 g/cm³ and that of the fired product 5.45 g/cm³. 2-4 days' storage after washing increases the density of the blanks by up to 0.2 g/cm³. There are 5 figures, 4 tables, and 11 references: 7 Soviet and 4 non-Soviet. The four references to English-language publications read as follows: C. E. Curtis, Journ. Am. Cer. Soc., 1947, 30, no. 6; St. Pierre, Trans. Brit. Cer. Soc., 1952, 51, 260; M. A. Schwartz, G. D. White, C. E. Curtis, Atomic Energy Comp. Inform. Service Oak Ridge. 1953, 1354, 28; B. C. Weber, P. E. Rempes, M. A. Schwartz, Journ. Am. Cer. Soc. 1958, 37, no. 7.

ASSOCIATION: Khimiko-tekhnologicheskiy institut im. Mendeleyeva (Institute of Chemical Technology im. D. I. Mendeleyev)

Card 2/2

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000723720011-8"

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KCLBASOVA, V.K.; LYAMINA, V.P., starshiy nauchnyy sotrud.; MAKAROV, A.S.; SHRPHLEVA, N.A., stershiy nauchnyy sotrud.; SHPINDLER, N.A., kand. ekon. nauk, red.; BELOV, M., red.; TROPINOVA, Z., tekhn.red.

[Workers' control and nationalisation of the industry in the Kostroma Government; collection of documents, 1917-1919] Rabochii kontrol' i natsionalisatsiia promyshlennosti v Kostromakoi gubernii; abornik dokumentov, 1917-1919 gg. Kostroma, Kostromakoe knishnoe isd-vo, 1960. 223 p. (MIRA 14:5)

1. Kostroma (Province) Upravleniye vnutrenniki del. Arkhivnyy otdel. 2. Machal'nik Gosudarstvennogo arkhivn Kostromskof oblasti (for Kolbasov) 3. Machal'nik Arkhivnogo otdela Upravleniya vnutrennikh del Kostromskogo oblispolkoma (for Makarov) 4. Arkhivnyy otdel Upravleniya vnutrennikh del Kostromskogo oblispolkoma (for Shepeleva, Lyamina)

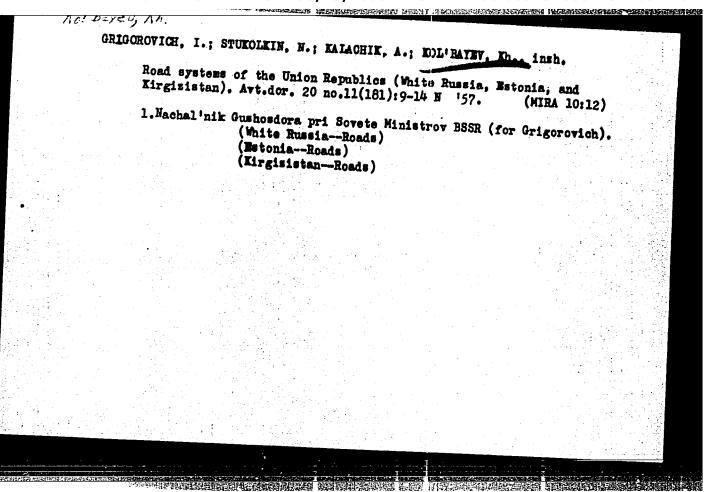
(Kostroma Province--Works councils)
(Kostroma Province--Industries)

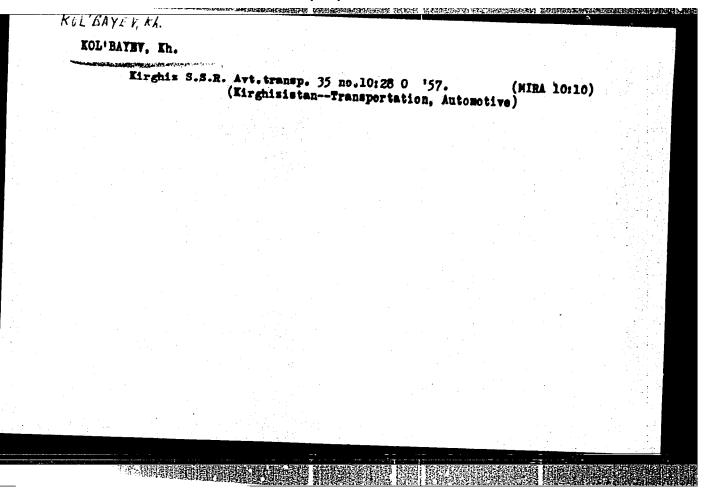
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KOLBASYUK, N.

On the agenda is the training of machine operators. Prof.-tekh. obr. 21 no. 4:8-9 Ap '64. (MIRA 17:5)

1. Otvetstvennyy organizator TSentral'nogo komiteta Vsesoyuznogo Leninskogo kommunisticheskogo soyuza molodezhi.



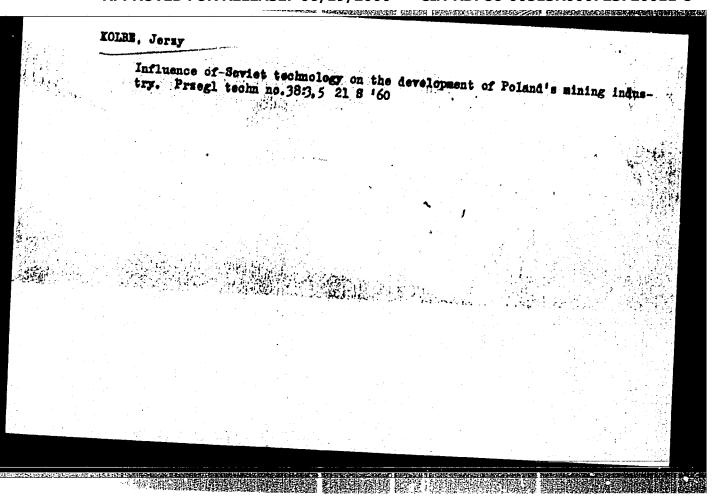


KOL'BAYEV, Kh.

New highways are needed for the growing national economy of Kirghizistan. Avt.dor. 27 no.1:13-14 Ja '64. (MIRA 17:4)

1. Ministr avtomobil'nogo transporta i shosseynykh dorog Kirgizskoy SSR.

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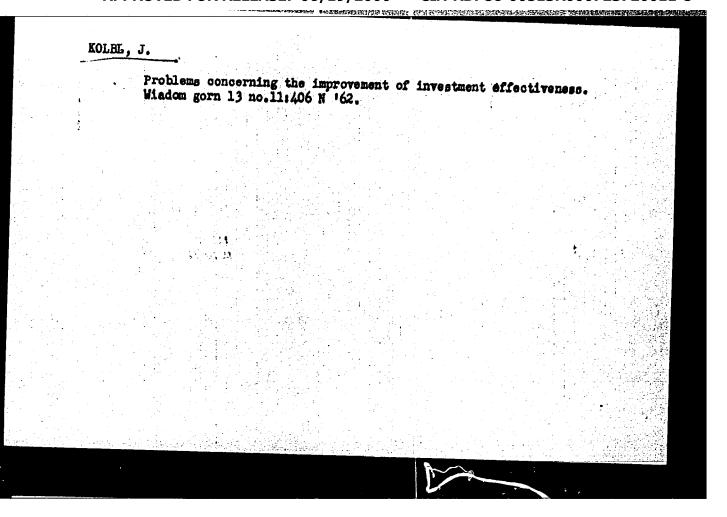
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KRUPINSKI, Boleslaw, prof. dr; BORECKI, Marcin, prof. mgr inz.; KOLBE, Jerzy, prof. dr inz.; MUSZKIET, Tadeusz, mgr inz.

The coal industry of the Netherlands. Przegl gorn 20 no.4:144-157

KOLEE, Jerzy, dr. inz.

Over one billion of sloties saved as result of corrected documentation of designs and estimated costs in the administration of mining and power industry. Wiad gorn 13 no.1:15-17 Ja 162.



KULASHIN, Ye., starshiy inzh.; KOL'BE, N.

Re-equipment of "Kazbek"-type tankers for the transportation of liquid ammonia. Mor. flot 22 no.3:34-36 Mr '62. (MIRA 15:2)

1. Chornomorskoye parokhodstvo (for Kulashin). 2. Kapitan teplokhoda "Frunze" (for Kol'be).

(Tank vessels)
(Ammonia—Transportation)

FAYVILEVICH, G.A.; SMIRNOV, Yu.I.; KOL'BE, S.S.

High-temperature metallography with motion-picture photography.

Sbor. trud. TSNIICHM no.38:16-21 '64. (MIRA 18:3)

DV ORAK,	L.; KOIBEL, P.
	Some notes on the diagnosis and therapy of heart disease in pregnancy. Cesk.gyn.25[39] no.8:600-604 0:60.
•	1. III. interni klinika KU v Prase, prednosta akademik Josef Charvat.
	(PREGNANCY compl) (HEART DISEASES in pregn)
	마이 이렇게 하는 것이 되었다. 그 사람들은 발생하는 것이 되었다. 그런데 그런데 그는 그를 보고 있는데 그는 그를 보고 있다. 그는 그들이 아니라 그 사람들이 있는데 생각하는 것이 되었다. 그는 그를 보고 있는데 그를 보고 있는데 그를 보고 있다. 그를 보고 있는데 그를 보고 있는데 그를 보고 있다. 그는 그들은 것이 나를 보고 있는데 그를 보고 있다. 그를 보고 있는데 그를 보고 있다. 그를 보고 있는데 그를 보고 있는데 그를 보고 있는데 그를 보고 있다. 그를 보고 있다.
	사용 경기는 사용하는 경기를 가득하는 것이 되었다. 그런 그는 그리고 있는 것은 사용을 가는 것을 받는다. 사용하는 것은 사용하는 것이 가는 것을 보고 있는데, 하는데, 하는데, 하는데, 하는데, 하는데, 하는데, 하는데, 하
	마이 많이 그는 경우를 통해를 통해 보았다. 하는 그들은 그는 그는 것이 되는 것이다. 그런데 그 말로 하나 있는데 그렇게 하는 것을 통해 하는데 되었다. 그는 그는 그는 그는 그는 그를 보고 있다. 그렇게
	요. 전에 가는 1일 말을 보고 있는데 이 보고 있는데 이 보고 있는데 이 보고 있는데 되었다. 그 마음을 있는데 말을 하면 말을 보고 있는데 보고 있는데 보고 있는데 보고 있는데 보고 있는데 보고 있다.
	는 마음 사용 가장 사용을 다양해야 할다면 하고 있는 것이다. 그런 그는 그는 그는 그는 것이다는 것이다. 그런 사용을 다양하는 것이다. 그렇게 하는 것이다. 그런 말을 하는 것이다. 그런 그는 그를 보고 있다. 그렇게 된 것이다. 그는 것이다. 그런 그는 것이다. 그는 것이다. 그는 것이다. 그는 것이다. 그는 것이다.
2000	

SOBRA, Josef; KOLBEL, Frantisck; PROCHAZKA, Bohuslav; SEDLAKOVA, Eva; SULC, Miloslav

Congenital lipid metabolism disorders. V. Familial hypercholesterolemic manthomatosis — blood cholesterol and phospholipid level. Cas.lek.cesk 100 no.29/30:928-932 14 J1 161.

1. III. interni klinika KU v Praze, prednosta akademik Josef Charvat, IV. interni klinika KU v Praze, prednosta prof. dr. Mojmir Fucik, Angiologicka laborator KU v Praze, reditel prof. dr Bohumil Prusik.

(LIPOIDOSIS blood) (CHOLESTEROL blood)
(PHOSPHOLIPIDS blood)

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SOBRA, Josef; KOLBEL, Frantisck; PROCHAZKA, Bohuslav; SEDLAKOVA, Bya;

Congenital lipid metabolism disorders. VI. Familial hypercholesterolemic xanthomatosis — the level of lipemia, esterified fatty soids and lipoproteins in the blood. Cas.lek.cesk 100 no.29/30:933-936 14 Jl 161.

1. III. interni klinika KU v Prase, prednosta akademik Josef Charvat, IV. interni klinika KU v Prase, prednosta prof. dr. Mejmir Fucik, Angiologicka laborator KU v Prase, reditel prof. dr. Bohumil Prusik.

(LIPOIDOSIS blood) (LIPOPROTEINS blood)
(FATTY ACTOS blood)

SOBRA, Josef; KOLBEL, Frantisck

Congenital disorders of lipid metabolism. II. Familial hypercholesterolemic xanthomatosis - clinical study. Acta univ. carol. [med.] no.7: 823-832 '61.

1. III. interni klinika fakulty vseobecneho lekarstvi University Karlovy v Praze, prednosta akademik J. Charvat.
(LIPOIDOSIS)

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DVORAK, L.; DVORAKOVA, M.; JIRANKOVA, J.; KOLBEL, F.; VANCURA, P.

Incidence and prognosis of myocardial infarct in a sampling of the Prague population in recent years. Cas. Lek. Cesk. 101 no.9:267-272 2 Mr '62.

1. III interni klinika KU v Prase, prednosta akademik Josef Charvat, Ustav organizace sdravotnictvi v Prase, prednosta prof. dr. Vaclav Prosek.

(MYOCARDIAL INFARCT statist)

KOLBEL, Frantisek; KUCHEL, Oto; GREGOROVA, Inge

On the problem of the effect of so-called "SEF" substance (Salt excreting factor, 3/6-1600-dihydro-5-pregnane-20-one. Cas. lek. cesk. 101 no.31:959-962 27 J1 162.

1. III interni kliniki fakulty vseobecneho lekarstvi KU v Praze, prednosta akademik J. Charvat. Laborator pro endokrinologii a metabolismus v Praze, reditel akademik J. Charvat.

(STEROIDS pharmacol) (SODIUM metab)
(POTASSIUM metab) (ADRENALECTOMY exper)

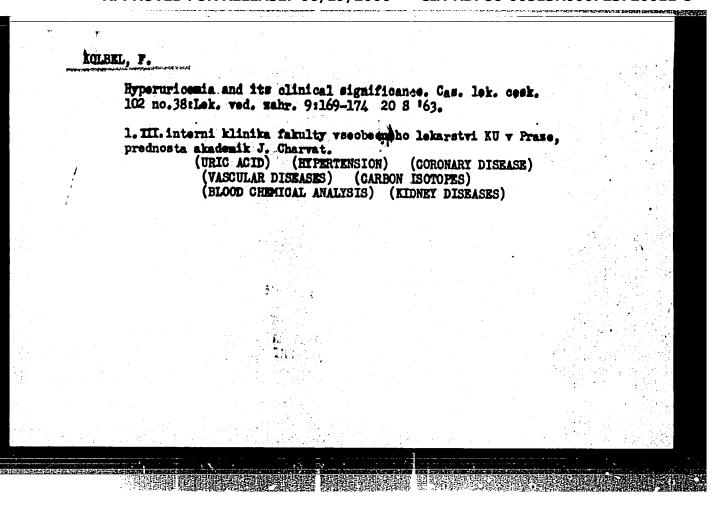
SILINKOVA-MALKOVA, Eva; DVORAK, Ladislav; KOLFEL, Frantisek; KAPITOLA, Jiri

Pulmonary hypertension in mitral defects in the roentgenological picture. Cas. lek. cesk. 101 no.40:1196-1200 5 0 '62.

1. III interni klinika fakulty vseobecneho lekarstvi KU v Praze, prednosta akademik J. Charvat.

(HIPERTENSION PULMONARY) (MITRAL STENOSIS)

Uric acid metabolism in man. Gas. lek. cesk. 102 no.12:46-52 22 Mr '63. 1. III. interni klinika fakulty vseobecneho lekarstvi KU v Prase, prednostą akademik J. Charvat. (URIC ACID) (METABOLISM) (PURINES) (KIIMEY)



SOBRA, J.; KOLBEL, F.; KAPITOLA, J.; PROCHAZKA, B.; SEDLAKOVA, E.; SULC, M.

Genealogical study of familial hypercholesterolemic xanthomatosis. Acta univ. Carol. [med] (Praha): Suppl. 18: 165-169 '64.

1. III. interni klinika fakulty vseobecneho lekarstvi University Karlovy v Praze (prednosta: akademik prof. dr. J. Charvat); IV. interni klinika fakulty vseobecneho lekarstvi University Karlovy v Praze (prednosta: prof. dr. M. Fucik) a Angiologicka laborator fakulty vseobecneho lerakstvi University Karlovy v Praze (reditel: prof. dr. B. Prusik).

